

PRESSURE GENERATING DEVICE

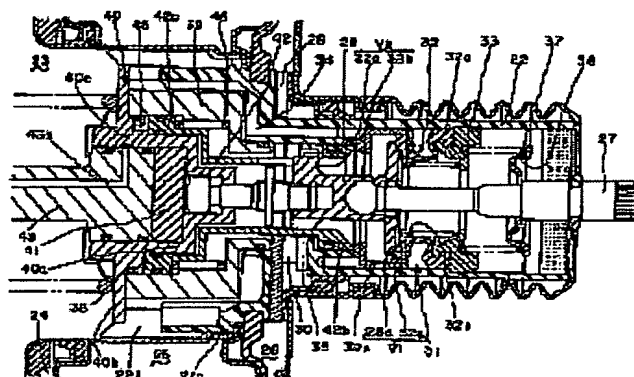
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Inventor: OGURA TOMOO; SUZUKI KAZUHIKO
Applicant: AISIN SEIKI
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Abstract of JP11334573

PROBLEM TO BE SOLVED: To increase the opening of an atmospheric valve so as to improve controllability with simple constitution by providing valve mechanism with a vacuum valve for communicating a rear chamber with a front chamber according to the movement of an input member, and the atmospheric valve for communicating the rear chamber with the atmosphere according to the movement of the input member, and constituting this valve mechanism in such a way as to receive pressure generated in a pressure chamber.

SOLUTION: When a driver depresses a brake pedal to move an input member 28 through an input rod 27, communication between a vacuum passage 34 and an air passage 35 is cut off in a control valve 32 so as to cut off a second rear chamber 26 from a first front chamber 23. The air passage 35 is then communicated with the atmosphere through a clearance between an atmospheric valve seat 28a and an atmosphere seal part 32a to communicate the second rear chamber 26 with the atmosphere, and valve mechanism 31 is switched into an output increasing state. The atmosphere therefore flows into the second rear chamber 26 and further flows into a first rear chamber 24 from the second rear chamber 26 to build up the pressure of both rear chambers 24, 26. A first movable wall 17 is driven by air pressure difference, and a piston 43 is driven forward.



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